

IN THE SPECIFICATION

Please replace the paragraph beginning at page 6, line 5, with:

Research by the Applicant has shown the life LF of injector 1 to depend on (be proportional \propto to) the life LF' of seal 32 according to the following equation:

$$LF' \propto LF = K \cdot \frac{A \cdot \left(\frac{h}{d}\right)^2}{P \cdot T \cdot M}$$

where :

K is a correction coefficient of the measuring units;

h is the height of seal 32 measured parallel to axis 3;

d is the width of seal 32, substantially corresponding to the difference between the diameters of cylindrical faces 12 and 24;

A is the section of the seal, substantially equal to h x d;

P is the maximum operating pressure in chamber 29;

T is the maximum operating temperature in chamber 29;

M is the size of annular gap M.

In other words, the life LF of injector 1 depends on the life of seal 32, and in particular on the permanent deformation to which seal 32 is subjected.